

# **DVD COMBO**

## **COLOUR TELEVISION**

**Operating Instructions**

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# Television

Thank you for buying this television which is designed to give you many years of satisfactory service.

You may already be familiar with using a television but do please take time to read these instructions. They are designed to familiarise you with the unit's many new features and to ensure you get the very best out of your purchase.

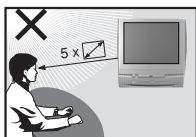
## Special features

- Automatic Programming
- 100 Programme Memory
- Available for Cable Channels (A decoder may be required)
- Manual Fine Tuning
- Skipping back to the last channel you have started to zapp via only one button (SWAP).
- 16:9 picture format
- Scart Socket: Video cassette recorder, satellite receiver, video disc player,DVD, TV games or a home computer can be connected to this AV socket with an appropriate connecting cable.
- Normalization system to recall the setting in memory after the colour,contrast, brightness setting have been changed.
- Automatic Volume Limiting.
- Infrared Remote Control.
- Your TV will automatically switch off if it's been programmed from 15 to 120 minutes.
- Automatically switch to Stand by five minutes after a channel ceases to transmit.
- Multi language menu system.
- Naming the channels (Automatic with ATS).
- NTSC playback.
- S-VHS via Scart.
- ATS: Automatic Tuning System with country selection (\*).
- Audio/Video RCA sockets (\*).
- Headphone socket.
- Teletext reception.
- Zapping (\*).
- On Timer (\*).
- I.P.S.: Intelligent Programme Switch: You can set your TV to skip to a specific channel at a specific time. It works also as an alarm function (\*).
- Childlock (\*).
- Zoom
- Freeze
- MP3 Playback
- Jpeg
- Dolby Dijital
- Coaxial output.
- Screen saver
- SPDIF output
- Last memory
- Password mode
- DVD Audio&Video back out. (\*)

Please Note: Zapping, I.P.S., Childlock are optional if ATS exists.

(\*) : These features are not available in all models.

# Set-Up and Safety

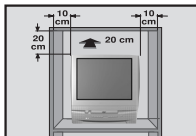


Please note the following information when setting up your television set.

This television set is designed to receive and display video and audio signals.

Any other use is expressly prohibited.

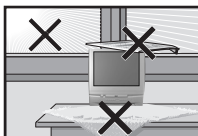
The ideal viewing distance is 5 times the screen diagonal. External light falling on the screen impairs picture quality.



Ensure sufficient clearance between the TV and the wall cabinet.

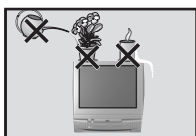
The television set is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or splashing water. Do not expose the television set to any moisture.

If the television is subject to sudden changes in temperature, for example if it is brought in from the cold to a warm room, connect it to the mains supply and let it stand for at least two hours before you insert a disc.



Do not place any vessels such as vases on the television, as they may spill liquid, thus presenting a safety risk.

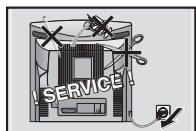
Place the television set on a solid, level surface. Do not place any objects such as newspapers on the television set or cloth or similar items beneath it.



Do not place the television set close to heating units or in direct sunlight, as this will impair cooling.

Heat build-up can be dangerous and shortens the operating life of the television set. For reasons of safety, have a specialist remove any dirt deposits in the set from time to time.

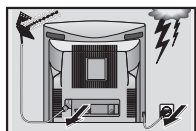
Keep the television set away from magnetic fields (loudspeaker boxes, for example).



Do not open the television set under any circumstances. No warranty claims are accepted for damage resulting from improper handling.

Ensure that the mains cable is not damaged.

Thunderstorms are a danger to all electrical devices. Even if the television set is switched off, it can be damaged by a lightning strike to the mains or the antenna cable. Always disconnect the mains and antenna plugs during a storm.



Do not insert foreign objects in the disc compartment.

If the device is unable to scan discs perfectly, use a standard, commercially available cleaning CD to clean the laser optics. Other cleaning methods may damage the laser optics.

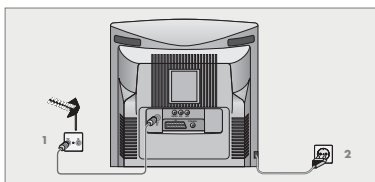
Always keep the disc compartment closed to prevent dust from collecting on the laser optics.

Clean the screen with a soft, damp cloth. Only use plain water.

# Connection and Preparation

## Connecting the antenna and the mains cable

- 1 Plug the antenna cable of the rooftop antenna into the antenna socket on the television.
- 2 Plug the mains cable into the wall socket.



## Inserting batteries in the remote control

- 1 Open the battery compartment by removing the lid.
- 2 Insert batteries (micro type, e.g. LR 03 or AAA, 2 x 1.5 V). Observe the polarity (marked on the base of the battery compartment).
- 3 Close the battery compartment.

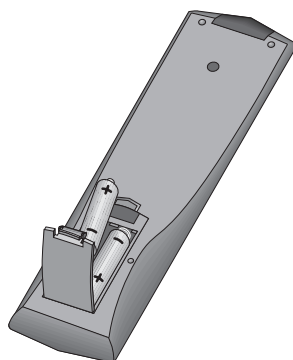
### Note:

If the television no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries.

The manufacturer accepts no liability for damage resulting from leaking batteries.

## Environmental note


Batteries, including those which contain no heavy metal, may not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.





# Overview

## The remote control

### TV operation



 Sound on/off (mute).

 Switches off the television set (stand-by).

**0...9** Switches the television on from stand-by mode.  
Selects channels directly.

**AV** Selects the AV channels and the most recently viewed television channel.

**-/-** Switches between single- and double-digit preset channels.

**P 100** Selects page 100 in teletext mode.

**REV** Reveals answers in teletext mode.

**DOUB** Switches to double character size in teletext mode.

**HOLD** Holds pages in teletext mode.

**SUB** Shows the time.  
Selects sub-pages in teletext mode.

**UPDATE** Updates the page in teletext mode.

**MIX** Selects the mix function in teletext mode (TV picture and teletext).

**VOL - +** Adjusts the volume.

**PR ▲** Switch the television on from standby.  
**PR ▼** Select channels step-by-step.  
Move the cursor up and down.

**OK** Calls up the station list.  
Activates various functions.


**◀ ▶** Move cursor to the left/right.

**TV/TX** Switches between teletext and TV modes.  
Hides the menu.

**TV MENU** Opens the menu.  
Switches to previous TV menu page.

# Overview



- **Red** Moves back a page in text mode
- **Green** Moves to the next page in teletext mode
- **Yellow** Sleep timer button  
Selects a chapter in teletext mode.
- **Blue** Normalization button  
Selects a topic in teletext mode.
- **Purple** Information button
- **TV/DVD** Switches the device from TV mode to DVD mode and back.
-  Selects AVL On/Off button
- **SWAP** Switches between the two most recently viewed TV channels.

# Overview



## DVD mode

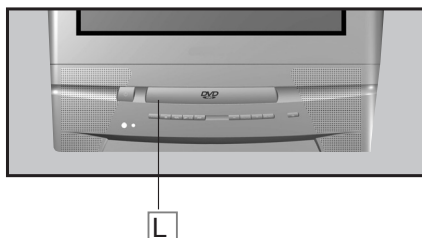
- DVD MENU** During playback, opens the disc menu\* on a DVD.
- SUB-T** For selecting and displaying subtitles\* of the DVD during playback.
- AUDIO** Switches between the original and the dubbed language\* during DVD playback.
- REPEAT** Selects repeat functions.
- A - B** For marking sections for repeated playback.
- ▶▶** Switches to forward frame search at various speeds during playback.
- ◀◀** Switches to reverse frame search at various speeds during playback.
- 0...9** Numerical keys for various inputs.
- Title** Calls up the DVD title menu\* during playback.
- Zoom** Zooms in on scenes during playback.
- ◀▶** Select various functions in the menus.
- PR ▲▼**
- OK** Confirms functions.
- DVD SETUP** Opens the main menu on the DVD unit.
- Interrupts all drive functions.
- ◀◀** Selects the previous title or section during playback.
- ▶/||** Starts playback.  
Freeze-frame for DVDs and video CDs.  
Pause for audio CDs and MP3 CDs.
- ▶▶** Selects the next title or section during playback.
- ▲** Opens and closes the disc compartment.
- TV/DVD** Switches the device from TV mode to DVD mode and back.
- PROGRAM** For programming a playback list for the inserted disc.
- GO TO** Opens the info menu of DVD unit.

(\*) Depends on the DVD in use.

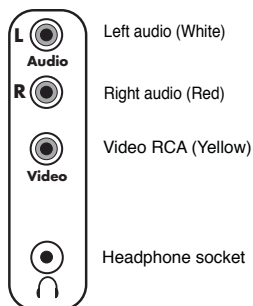


# Overview

## Front panel



## External Connections: (Side)



- ⓘ Switches the television into and out of standby mode.
- Compartment for CD media.
- TV/DVD** Switches the device from TV mode to DVD mode and back.
- Interrupts all drive functions.
- ⏮ Selects the previous title or section during playback.
- ▶/⏸ Starts playback.  
Freeze-frame for DVDs and video CDs.  
Pause for audio CDs and MP3 CDs;  
activates menu functions.
- ⏭ Selects the next title or section during playback.
- ⏮ Opens and closes the disc compartment.
- PROG/VOL** Preset button for volume or channel selection.  
Switches the television on from stand-by.
- Channel selection down.  
Reduce volume.
- + Channel selection up.  
Increase volume.
- MENU** Opens the TV menu, switches to the previous page in the TV menu.  
Opens the main menu of the DVD unit.
- Headphone jack (3.5 mm ø jack plug).
- VIDEO** Video signal input for camcorder.
- R AUDIO L** Audio signal input for camcorder.

# Using the TV

## TV controls

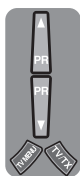
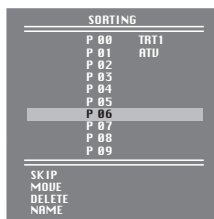
### Program selection



Press the »PR ▲« or »PR ▼« buttons on the TV or remote control or press a Numeric button to select a programme.

To select a programme whose number is greater than 9 using the numeric buttons, press the -/-- button first and then press the two Numeric buttons. For example, to select programme 12, press the -/-- button followed by 1 and then 2.

Press the **OK** button and program list will appear on the screen with programme numbers on it.



Use the »PR ▲«/»PR ▼« buttons to scroll through the program list. Press the TV MENU and TV TEXT button to close the program list.

### Volume



Press the **VOL +** or **VOL -** button on the remote control. A sound level bar will appear on the screen.

### Mute



To mute the sound press the **Mute** button on the remote control. A loudspeaker symbol will appear on the screen.



Press the **Mute** button again to restore the sound. The symbol will disappear.

Pressing »VOL-« buttons will decrease the volume without restoring.

But pressing the »VOL+« button will increase the volume with restoring.

### SWAP



Allows you to swap between the program you are watching and the last selected program. i.e. If you were watching Program 1 and change to Program 11, press the **SWAP** button to go back to Program 1. Press it again to return to Program 11.

PR01 → **SWAP** PR11 → **SWAP** PR01


### Info



By pressing the "**PURPLE**" button the programme number and programme name (if it exists) will appear on the screen. This will disappear automatically after a few seconds.

### AV

For use when you are connecting an external source to your TV (Video recorder, DVD player etc.) via the SCART sockets or RCA sockets. See 'Connecting external equipment'.

 Press the **AV** button to select your input as follows:

1. AV1 when using SCART socket 1.
2. AV1 S-VHS for S-Video equipment to scart 1 (S-VHS / Scart adapter is needed).
3. AV2 when using the RCA sockets of the TV. (Optional)

 Press the **AV** button again to return to TV.

## Tuning the television

There are two ways of tuning your television:

- Manual, where you control the tuning process or Autoprogram where the television does it all automatically.
- The TV sets equipped with ATS (Automatic Tuning System) sorts the channels regarding the broadcasting system of your country (optionally).

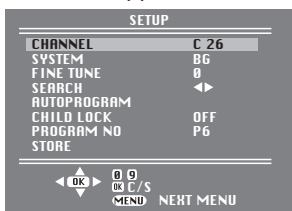
### Please Note

If the TV is set to a channel with no signal the TV will return to standby after 5 minutes. The time remaining is displayed on the screen.

## Manual Tuning


Tuning the TV is accessed through the **SETUP** menu.


**To access the SETUP menu:**  
Press the TV MENU button twice. **SETUP** Menu will appear.



**a) If you don't know the channel number (Tuning with SEARCH function).**

Enter the **SETUP** Menu by pressing the **MENU** button twice.

 In the **SETUP** Menu select **PROGRAM NO** and change to **P1** using the **»PR ▼«** button to select it and the **»◀«** or **»▶«** button to change it.

 Starting with Program P1, tune in the first channel as follows:  
Use the **»PR ▲«** button to select **SEARCH**.

Press the **»◀«** or **»▶«** button to start the tuning search.

The search arrow will appear.

When the search finds a strong searching. The picture will appear, channel signal it will stop.

Identify which channel you are watching (BBC 1, ITV 1 etc.) and decide which program number you want it to be.

 Use the **»PR ▼«** button to select **PROGRAM NO**.

Use the **»◀«/»▶«** buttons to select the program number.


Use the **»PR ▼«** button to select **STORE**. Press the **OK** button and **STORED** will appear on the **STORE** line.

You have now stored the first channel.

Use the **»PR ▲«** button to select again **SEARCH** and continue the tuning procedure until you have tuned in all the programmes you want or the television can receive.

**b) If you know the channel number. (Tuning with channel numbers)**

Enter the **SETUP** menu by pressing TV **MENU** button twice.

 Press the **OK** button to select "S" for cable channels and "C" for terrestrial broadcast.

Use **»◀«/»▶«** button to select the channel number or enter the channel number using the Numeric buttons.

Use the **»PR ▼«** button to select **PROGRAM NO**.

7

Enter the desired program number by using the Ten key program buttons



Use the »◀◀/▶▶◀ buttons to select the program number.



Use the »PR ▼◀ button to select STORE. Press the **OK** button and STORED will appear on the STORE line. The channel will be stored with the program number you desired.



You have now stored the first channel.

Use the »PR ▲◀ button to select again CHANNEL and continue the tuning procedure until you have tuned in all the programmes you want or the television can receive.



To exit the SETUP menu press the TV/TXT button.

### Please note

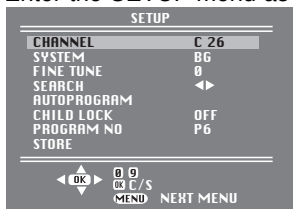
The system will displayed automatically on SYSTEM row i.e.BG, L, I, DK depending the receiving broadcasting system of the country. In some countries the broadcasting system can be both in BG/DK or BG/LL'.Only the TV sets produced with Pal Secam BG/DK or Pal Secam BG/LL' systems can receive both BG/DK or BG/LL' broadcasts.

### Please note

If you do not press any buttons for 15 seconds the TV will exit the menu system.

## Automatic Tuning (Autoprogram)

Enter the SETUP menu as before.



Use the »PR ▼◀ button to select AUTOPROGRAM and press the **OK** button.

### Please Note:

a) On the TV sets equipped with ATS a COUNTRY SELECTION menu will appear.

Select the desired country using **Program** and **Volume** buttons.

Press the OK button to select the country and press the OK button again the Automatic Tuning System regarding the broadcasting system in the desired country.

b) On the TV sets without ATS pressing the OK button starts AUTOPROGRAM.



When you are sure the aerial is connected properly press the **OK** button and to confirm it press **OK** button again.

To cancel Autoprogram whilst it is working press the Menu button. As Autoprogram stores a channel it will appear briefly on the screen.

**Your TV is now tuned and ready to use.**

### Please note:

If auto sort fails to arrange the programmes in the required sequence please refer to programme organising. See the Program Organising.

## Fine Tuning


Although the search and Autoprogram will automatically try and tune to the best reception, in areas of poor reception a bit of fine tuning may be required.



In the SETUP menu use the »PR ▼◀ button to select FINE TUNING. Use the »◀◀/▶▶◀ buttons to fine tune.

When you have finished use the »PR ▼◀ button to select STORE and press the **OK** button.

### Child lock (Optional)

Childlock switches off the programme you are watching when you select it. All other programmes are unaffected. If you go back to the programme with childlock on you will see a black screen with the OSD showing (  ). You can lock as many programs as you want.



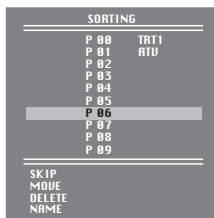
Press the **Right** button to switch the Child lock on or off.

## Program organising

Once you have tuned in all the channels you want, you can change their programme number, if required, and name them.



To enter the SORTING menu press the **OK** button.



PROGRAM 01 will be selected and the channel stored under PROGRAM 01 will be showing on the screen.

The details of the program will be shown across the top of the screen i.e. P1 CH31.

The buttons used to edit the programs are shown at the bottom of the display:

Red button - Skip  
Green button - Move  
Yellow button - Delete  
Blue button - Name

### To name the programmes



Press the **Blue** button, the selected line will turn blue.

Use the **»PR ▲«** and **»PR ▼«** buttons to select the letters and numbers and the **»◀«/»▶«** buttons to move through the name.



Press the **Blue** button again to store the name.

Repeat this process to name all the programmes.

### Please Note

Some TV channels may send their names with teletext transmission. In this case their names will be automatically shown on the name line.

### To move the programmes

You can move the programmes around the programme list to the order you want



Select the programme you want to move and press the **Green** button. The programme will turn to green.

Select the number you want to move the programme to and press the **Green** button again and the programme will be moved to that number.

All the following programmes are shifted down by one place.

### To delete a programme



To delete a programme, select it and press the **Yellow** button, the programme will be deleted. All the following programmes are shifted up by one position.

### To skip the programme

Press the **Red** button, the selected line will turn red. Skipped programmes will not appear when you move through the program list using the Program up or Program down buttons. They can still be selected using the numeric buttons or **OK** of button.

Press the **Red** button again to unskip the programme.

# TV set up

The TV set up is accessed through a menu system.

Once you have stored your set up, this is the set up the TV will default to when you switch it on.

## Please note

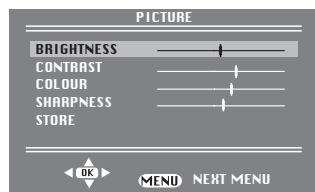
If you do not press any buttons for 18-19 seconds the TV will exit the menu system.

## There are three menus;

- Picture Menu
- Setup Menu
- Features Menu

## • Picture Menu

To reach the picture menu press one time to TV MENU button.



The picture menu allows you to set up the following:

BRIGHTNESS  
CONTRAST  
COLOUR  
SHARPNESS



To change, for example, the colour, select it using »PR ▼« buttons.

Use the »◀◀ and »▶▶ buttons to change the setting.

To save your settings, select STORE and press the **OK** button. STORED will be displayed.

## Note:

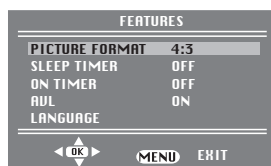
If you play NTSC formatted tape from the scart, the TINT will appear to adjust the TINT level.

## • Setup Menu

Setup Menu is explained on the page 10

## • Features Menu

To reach the feature menu press three times to TV MENU button.

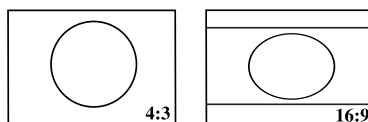


## a) Picture format

This allows you to select the picture of your TV.

Available formats of TV sets are AUTO, 4:3 and 16:9.

You can change the picture format to 16:9 to able to watch the inputs in 16:9 format, i.e. some broadcasts and DVD's.



## b) Sleep Timer

The sleep timer automatically switches the set to stand-by after the preset time has elapsed.

You can select the time from 15 to 120 minutes with 15 minutes steps.

There are two ways to set the sleep timer;

1- Select the SLEEP TIMER in the FEATURES menu. Select the desired time by using **Left** or **Right** buttons.

2- You can also use the YELLOW button on your remote control to select this function. You can increase the switch off time interval by pressing this button repeatedly.

### Notes:

The last 60 seconds of the desired switch off time by counting from 59 down. When this time interval has elapsed the set will switch to STAND-BY.

To view the remaining sleep time, press YELLOW button. To cancel the sleep time select OFF in SLEEP TIMER.

## c) On Timer

You can select the on time between 30 minutes to 12 hours by pressing »◀◀/▶▶◀◀ buttons and select the channel with **Numeric** and **AV** buttons.

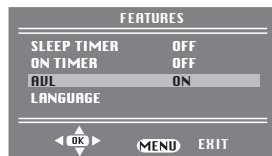
If TV is at Stand-by position, you can switch it on at desired time and programme by activating the ON TIMER feature.

To cancel the on time select off in ON TIMER.

## d) AVL:

TV transmitters have different sound levels. AVL (automatic volume limiting) maintains the same sound level as you switch from program to program.

From the features menu you can select AVL button by pressing »PR ▼◀◀ button. To supply this press »◀◀/▶▶◀◀ button and select ON for AVL.



You can also use the "🎵" button on your remote control to select this function. Note :Only use in TV mode.

## e) Language

There are many languages available for the On Screen Displays (OSD).



In the features menu select Language by **Program down** button.

Press the **OK** button to select the language list.



Press the »PR ▲◀◀/▶▶◀◀ button or »◀◀/▶▶◀◀ buttons to page through all the languages and **OK** to select.

## Normalization

• Whilst watching TV you may change the picture While restore the original picture setting press the BLUE ►► button on the remote control.

# Using Teletext

Teletext is an information system that displays text on your TV screen. Using the teletext control buttons you can view pages of information that are listed in the teletext index (Teletext reception is optional).

## Please Note

No on screen display is available in text mode. The contrast, brightness and colour cannot be changed but the volume control is still available.

## To enter Text mode

### Please Note

Make sure the TV channel you are watching transmits teletext.



Press the TV/TXT button. The text page will appear, normally the index page.

## To exit Text mode



Press the TV/TXT button. The TV will return to the channel you were watching.

## To select a page of text



Find the number of the page in the index and enter it using the **Numeric** buttons. The number of the page will appear in the top left hand corner of the screen.

The page counter will search for your page. When it finds it, the page will be displayed.

To move to the next page of text press the »PR ▲« button.

To move to the previous page press the »PR ▼« button.

## TV/text mix



To view a page of text whilst watching a TV programme press the **MIX** button. The text will be superimposed over the TV programme.

Press the **MIX** button again to return to the text page.

## Page search whilst watching TV



In Text mode press the Update button. The TV will return to TV mode with the text page number in the top left hand corner of the screen.

Enter the page number you want using the **Numeric** buttons. The top line of the text page will appear whilst the text searches for your page. When the page is found the number will remain in the top left hand corner of the screen.

Press the **UPDATE** button to view your selected page of text.

## Double height text



If you have difficulty reading the text on the TV you can double the height of the text.

Press the **DOUBLE** button. The top half of the page will be displayed in double height text.

Press the **DOUBLE** button again. The bottom half of the page will be displayed in double height text.

Press the **DOUBLE** button again to return to the full page.

## Page hold



If the page of text you have selected contains sub pages, these sub pages will automatically be displayed in order with a delay to allow you to read the page.

To stop the move to the next sub page press the **HOLD** button. STOP will appear in the top left hand corner.

To continue moving through the sub pages press the **HOLD** button again.



## To select a sub page



If the page of text you are viewing contains sub pages, the number of the sub page you are on and the total number of sub pages is displayed on the right of the screen i.e. 1/7.

To select a sub page press the **SUB** button. The number in the top left hand corner will be replaced by S followed by 4 asterisks.

Enter the number of the sub page, using the **Numeric** buttons in the format S0001 for sub page 1.

The teletext will search for the sub page. This may take some time. To return to the TV whilst the teletext is searching press the **UPDATE** button.

When the page number is found it will appear in the top left hand corner of the screen.

Press the **UPDATE** button again to view the text page.

## To reveal information



Press the **REVEAL** button to reveal concealed information (quiz answers etc.).

Press the **REVEAL** button again to cancel the information again.

## Clock



Press the **SUB** button, whilst watching a TV program, to display the time.

## Fastext

At the bottom of the teletext screen is a row of subject headings in red, green yellow and blue.

The remote control has a row of coloured buttons corresponding to the row of coloured subjects on the screen. Pressing one of the coloured buttons will take you directly to the page corresponding to the subject heading.

# DVD Mode

## Special DVD features

Your DVD player provides you with perfect digital video playback of studio quality.

It also provides superb cinema-quality audio playback – in stereo or with digital multi-channel sound – depending on the type of DVD and audio system or stereo television.

Other features of DVD video include the choice of audio channel and language, choice of subtitle language, and various camera recording angles. Your DVD player is suitable for DVDs with regional code 2.

As well as DVDs, it can also play MP3 Discs, JPEG coded (photo) Discs, video Discs, S-video CDs, DivX Discs and audio Discs.



## Disc formats

Your DVD player can play back CD-R, CD-RW, VCD1.x, VCD 2.0, Super-VCD, DVD Video, DVD-R, DVD+R, DVD-RW, DVD+RW disc. Also DVD double layer discs are supported.

Due to the difference in quality of the recording media and the quality of the recording itself, it can occasionally happen that a home-made DVD or CD cannot be read. This does not indicate a malfunction of the DVD player.

You have to finalize your own CD-R and CD-RW recordings.

Note that the settings of your CD burning program must meet the ISO 9660 standard in order to create a CD-R or CD-RW.

When MP3 or JPEG CDs are played back, individual tracks/pictures may be skipped or incorrectly played back and displayed. This can be due to the disc configuration, the encoder software or the hardware used for the recording.

Audio Discs (CDDA) correspond to the specification and bear the corresponding logo. Copy-protected Discs do not meet this specification and do not bear the corresponding logo. These CDs can cause playback errors.



## Preparation

### Switching on

1 Switch on the television and press »TV/DVD« to select DVD mode.

2 If an audio system or an AV receiver is connected to the device, switch it on and select the audio input for the device.

### Inserting a disc

1 Open the disc compartment by pressing »▲«. – The disc compartment opens.

2 Insert the disc you want to play in the disc compartment with the label facing upwards.

3 Close the disc compartment with »▲«. – The disc tray retracts again and the disc is scanned.

### Notes:

Playback of a DVD, VCD, SVCD or audio CD (CDDA) starts automatically.

If an MP3, JPEG or DivX Disc is inserted, the playback starts automatically from the first file. Press »■« to see the file browser.

If the »⊙« symbol appears on the television screen, the selected function is not possible with this disc.

### Removing discs

1 Press »▲« to open the compartment and take out the disc.

# DVD Mode

## DVD features



You can recognise a DVD by the logo on the label.

Depending on the content of the DVD, the discs contain one or more titles.

Each title may contain one or more chapters. Titles and chapters can be selected easily and conveniently.

You can control the direct playback of a DVD using the menu of the DVD player on the television screen.

### Special DVD features

DVDs have a title menu which provides an overview of the available titles and the passages they contain.

Some of the DVD player's functions, such as slow motion, freeze-frame and auto-play, can also be controlled by the DVD itself. It is therefore possible that the freeze-frame function, for example, cannot be selected during certain scenes.

Many DVDs have audio tracks recorded in up to eight languages. This enables you to select the language you prefer.

Many DVDs are recorded by the manufacturer with subtitles in several languages. You can select subtitles from up to 32 different languages.

Since films are released in different parts of the world at different times, all DVD players world-wide are given a regional code. The regional code for your DVD player is 2.

DVDs may also be given a supplementary regional code. If you insert a DVD with a code different to that of the DVD player, a reference to the regional code appears on the television screen.

The DVD player will not be able to play back the DVD.

## S-VCD/VCD features



You can recognise S-VCD/VCDs (video Discs) by the logo on the label.

Depending on the contents of the S-VCD/VCD (films, music videos etc.), the discs may carry one or more tracks.

Like audio Discs, S-VCDs/VCDs have a track structure.

S-VCDs/VCDs can be created using the PBC (playback control) system for track navigation. This depends on the processing and burning software used.

You can control the direct playback of the S-VCD/VCD using the menu on the television screen.

You cannot select some of the functions (slow motion, camera angle, marking scenes) when you are playing an S-VCD/VCD. This depends on how the S-VCD/VCD was created.

Depending on how they were created, S-VCDs can have various subtitles and dubbed languages.

# DVD Mode

## MP3 DISC features



MP3 stands for MPEG-1 Audio Layer 3 and arises from the Motion Picture Expert Group (MPEG) Standard which was developed for compressing film data.

The MP3 format enables audio files to be saved on a computer with a sound quality similar to that of a CD. This only requires approx. 10% of the original data quantity. The standard encoding bit rate for MP3 files is 128 kbps. Generally, the higher the bit rate of an MP3 file, the better the sound quality.

Most MP3 files on the Internet are encoded at 128 or 160 kbps. 160 kbps is considered Discs quality.

MP3 files can be downloaded from the Internet and then burned onto a CD-ROM disc. Your DVD player can read the ID3 tag from the file header, which contains information on title and artist, and display this in the info menu/status display.

MP3 Discs contain sound recordings. They can be played in the normal manner on an audio system. The digital signals transmitted during MP3 playback are PCM coded, regardless of the audio output setting. The signals are output with the same data rate as the music source (possibilities are: 32 kbps – 320 kbps, ideal: 128 kbps).

MP3 files can be organised into folders and subfolders, similar to files within a PC.

## DivX CD Features



The Divx format enables video files to be saved on a computer with a quality similar to that of a DVD. DivX's may contain several subtitle files and you can select one of those before starting playback from a subtitle selection menu.

DivX files can be organised into folders and subfolders, similar to files within a PC.

## JPEG DISC features

JPEG stands for Joint Picture Experts Group. This process was designed to compress picture files.

JPEG files can be burned onto a Discs along with other file types. Such CDs are known as file Discs or mixed mode Discs. For example, the Discs could contain MP3 files (audio) and JPEG files (for example to display album covers).

The files on a JPEG Discs can be organised in directories. This structure is similar to that of an MP3 Discs.

JPEG Discs only contain data in form of the compressed JPEG format. This is mostly data from digital cameras or from imaging programs. The data (images) can be displayed individually or in sequence in a slide show.

## Audio Disc features



An audio Discs is identified by this logo. Audio Discs contain only sound recordings. They can be played in the normal manner on an audio system. The individual tracks are stored in a sequence. There are no folders.

# DVD Mode

## Using a DVD, Video CD, DivX Disc or Audio Disc

Depending on the disc being used, some functions may not be available.

Playing back a title

1 After the disc compartment closes and the disc is scanned, playback starts automatically.

2 To pause playback (freeze-frame), press »►/II«.

3 Press »►/II« to resume playback.

4 Press »■« to end playback.

### Note:

Depending on the disc being used, you may have to select chapters or titles on the disc using »PR ▲«, »PR ▼«, »◀« or »►« and press »OK« to activate the or »►/II« to start playback.

## Calling up information\*

You can call up information on the title, chapter, playing time, selected subtitle, selected Audio, selected angle and bitrate on the screen. For DivX's you will also be able to see the Audio and video codec information.

1 Press »GO TO« to display the info menu.  
– You will see information on:

Title 01/02                      The current title and available titles

Chapter 03/18                The current chapter and available chapters

## Selecting titles and chapters using the disc menu\*

If a disc contains several titles and/or chapters, you can select them. If a disc contains several tracks/chapters, this can be seen by »Title« and »Chapter« in the info menu.

1 Call up the contents of the disc with »DVD MENU« (Disc Menu) or »TITLE« (Title Menu).  
– If the disc has a title menu it will appear on the screen.

2 Select tracks or chapters with »PR ▲« »PR ▼«, »◀« or »►« and activate with »OK«.  
– Playback of the selected title or chapter begins.

## Selecting titles directly with the numerical buttons.

Press the GOTO button twice, enter the number of the title or chapter or time with »1...0« and press »OK« button to confirm.

(\*) Depends on the DVD in use.

# DVD Mode

## Selecting chapters in steps (SKIP)

1 To select the next chapter, press »►►« during playback.

2 Press »◄◄« to select the previous chapter.  
– Playback of the selected chapter begins.

## Pausing and resuming playback

The playback of a DVD can be interrupted at any point and then resumed from the same place.

1 Interrupt playback by pressing »■« once only.

2 Press »►/||« to resume playback at the point where it was interrupted.

## Ending playback

You can stop playback at any point by pressing »■« twice.

## Additional functions during DVD, Video or DivX Disc playback

### Notes:

The sound is muted during the "Frame search", "Slow motion" and "Freeze-frame" functions. Depending on the disc, some functions cannot be selected.

### Frame search

Several different speeds are available.

1 Select the playback speed during playback by pressing »◄◄« or »►►«.

2 Press »►/||« to resume playback.

## Slow motion

You can choose between different speeds (1/2, 1/4, 1/6, 1/8 forwards or reverse (except for DivX discs)).

1 Press »►/||« during playback.

2 Select the slow motion speed by pressing »◄◄« or »►►«.

3 Press »►/||« to resume playback.

**Note:** Show back function is not available for DivX CD's.

## Enlarging the picture (zoom)

This function allows you to enlarge various picture sections. The picture enlargement options are selected in the sequence: Q1, Q2, Q3, Q4.

1 During playback or pause, press »ZOOM« repeatedly.  
– Display: e.g. »Q1«, part of the picture is enlarged.

2 Move the picture section on the screen with »PR ▲« »PR ▼«, »◄« or »►«.

3 Switch back to "normal" picture size with »ZOOM«.

# DVD Mode

## Switching the dubbed language or the audio format

These settings switch away from the preset dubbed language, if the DVD offers any alternatives.

1 Press »**AUDIO**« during playback.  
– Display: e.g. »1/3: AC 3 5.1CH German« is displayed briefly, the dubbed language currently selected is displayed.  
In this example: the first of 3 possible dubbed languages, sound format 5.1.

2 Keep pressing »**AUDIO**« to select the dubbed language.

### Note:

Switching the dubbed language can be suppressed by the structure of the disc itself. In this case the setting is usually made in the disc menu.

## Selecting and displaying subtitles

If the disc provides subtitles, they can be displayed on your TV screen.  
When subtitles are available in several languages, you can select your preferred language.

For DivX CD, the »**SUB-T**« button displays or removes the subtitle selected from the subtitle selection menu. The subtitle selection menu appears automatically before playback if the DivX CD has more than one subtitles.

## Hint for DivX subtitles files

The subtitle files should have same name as the Divx video file in order to be recognized as a subtitle for the corresponding video.

1 Press »**SUB-T**« during playback.  
– Display: e.g. »02/20 German« is briefly displayed, and the current subtitle is displayed.

2 Keep pressing »**SUB-T**« to select the subtitle language.

### Notes:

To switch off the subtitles, keep pressing »**SUB-T**« until »Off« appears on the display.

Switching the subtitles can be suppressed by the structure of the disc itself. In this case the setting is usually made in the disc menu.

## Changing the camera angle

If supported by the DVD disc, the camera angle may be changed during playback.

1 Press »**GOTO**« three times.

2 Press »**OK**« to switch the camera angle.

3 Press »**GOTO**« again to remove the menu.

## Using an MP3 Disc playback

1 After the disc compartment has closed and the MP3 Disc has been scanned, the File Browser (Contents menu) of the disc is displayed and start playback.

2 Press »►/||« to pause playback.

3 Press »►/||« to resume playback.

4 End playback by pressing »■«

## Using a JPEG Disc playback

1 After the disc compartment has closed and the JPEG Disc has been scanned and start to playback.

2 Press the »■« button and a will appear File Browser menü.

3 Press »**PR ▲**« »**PR ▼**« to select the track you want to hear and then »**OK**« to start playback.

4 Press »►/||« to pause playback.

5 Press »►/||« to resume playback.

6 End playback by pressing »■«

## Selecting specific tracks using the numerical buttons

During playback, select the track with »1 ... 0« or »**PR ▲**«, »**PR ▼**« or »►«, »◄« and press »**OK**« to confirm.

– Playback begins with the selected track.

## Selecting a track in steps (SKIP)

1 Select the next track by pressing »►►|« during playback.

2 Select the previous track by pressing »◄◄|«.  
– Playback begins with the selected track.

# DVD Mode

## Additional JPEG DISC playback functions

### Adjusting the picture display

The pictures can be rotated or reversed.

1 During playback, press »GOTO« to rotate the pictures by 90°.

2 Press »■« to end playback.

### Enlarging the picture (zoom)

This function enables you to enlarge sections of the picture and move them on the screen.

1 During playback or pause, press »ZOOM«.

2 Switch back to "normal" picture size with »ZOOM«.

**Note:** Rotation is not available when zoom function is active.

## Repeat functions

Repeating a selected scene (A-B Repeat)  
You can mark the start and end of a scene, this is then played back repeatedly.

1 During playback, mark the beginning of the scene by pressing »A-B«.

2 To mark the end of the scene, press »A-B« again.

– The scene is repeated over and over.

3 Press »A-B« again to quit the function.

### Repeating a chapter, a title or a disc DVD.

These functions repeat the chapter or the title currently playing or the entire DVD.

1 Press »REPEAT« during playback.

– Display: »Chapter«, the chapter is repeated.

2 During playback, press »REPEAT« twice.

– Display: »Title« and the title is repeated.

3 During playback, press »REPEAT« three times.

– Display: »All« and the entire disc is repeated.

4 Press »REPEAT« again to quit the function.

– Display: »OFF«

### For Divx Discs this function can be used to repeat the current file or all files in the CD.

1- Press »REPEAT« during playback.

– Display: »REPEAT SINGLE«

2- During playback press »REPEAT« twice.

– Display: »REPEAT ALL«

3- Press »REPEAT« again to quit the function.

– Display: »OFF«

**Note:** The repeat mode can also be selected from the Angle/Repeat menu.

1- During playback press »GOTO« three times.

2- Press »►« to move the cursor to repeat selection.

3- Press »OK« repeatedly to select the desired repeat mode.

4- Press »GOTO« again to remove the menu.

### Repeating a chapter, a title or a disc JPEG, MP3, AUDIO,VCD

These functions repeat the chapter or the title currently playing or the entire JPEG, MP3, AUDIO and VCD.

1 Press »REPEAT« during playback.

– Display: »Single«, the chapter is repeated.

2 During playback, press »REPEAT« twice.

– Display: »All« and the title is repeated.

3 During playback, press »REPEAT« three times.

– Display: »Off« and the repeat function is deactivated.

## Creating and playing a playlist

This function enables you to create a playback list for all types of discs.

Up to 12 titles, chapters or tracks can be stored.

1 Place a disc in the tray.

2 Open the »Program« menu by pressing »PROGRAM«.

– Depending on the type of disc in use the program menu appears, and item 1 is marked.

3 Enter the two-digit number of the title, chapter or track with »1... 0«.

Program Input		Title/Chapter	
1 ---	4 ---	7 ---	10 ---
2 ---	5 ---	8 ---	11 ---
3 ---	6 ---	9 ---	12 ---
Play Program		Clear All	

4 To start playback, select »Play Program«.

– Playback of the program starts.

5 Press »■« to end playback.



# DVD Settings

No settings are necessary for operating the DVD unit of the television set.

However, in the »DVD SETUP« menu you can change the language, select audio, video, features and adjust many other settings.

## Selecting the menu

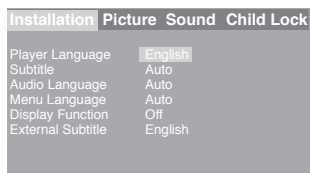
- 1 Press »DVD SETUP« to call up the menu.  
– The »DVD SETUP« menu appears.
  - 2 Select the menu with »◀« or »▶« and press »OK« to confirm.
  - 3 Select the item with »PR ▲« or »PR ▼« and press »OK« to confirm.  
– The setting options are displayed.
  - 4 Select the sub function or setting using »PR ▲« or »PR ▼« and press »OK« to confirm.
- Note:**  
Press »OK« to go back one level.
- 5 Press »DVD SETUP« to quit the menu.

## Menu options

### DVD Setup Menu

- |                   |   |
|-------------------|---|
| – Installation: – | Select the language.                          |
| – Picture: –      | Select the Picture settings with this menu.   |
| – Sound: –        | Select the Sound settings with this menu.     |
| – Child Lock: –   | Select the Child Lock setting with this menu. |

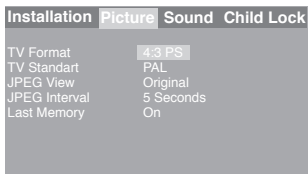
### Language Menu



- |                        |                                     |
|------------------------|-------------------------------------|
| – Player Language: –   | Select the on-screen menu language. |
| – Subtitle: –          | Select the Subtitle language.       |
| – Audio Language: –    | Select the Audio language.          |
| – Menu Language: –     | Select the Menu language.           |
| – Display Function: –  | Activate / Deactivate.              |
| – External Subtitle: – | Select subtitle region for DivX.    |

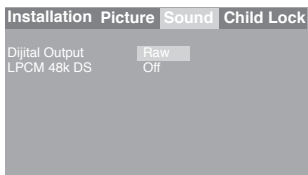
# DVD Settings

## Picture



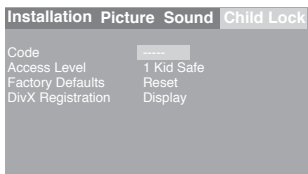
- TV Format:– Set the picture format
- TV Standart:– Select the TV standart
- JPEG View:– Select JPEG Viewing mode
- JPEG Interval:– Select the transition time
- Last Memory:– Avtivate / Deactivate

## Sound



- Digital Output:– Set digital output
- LPCM 48k DS:– Set scanning rate

## Child Lock



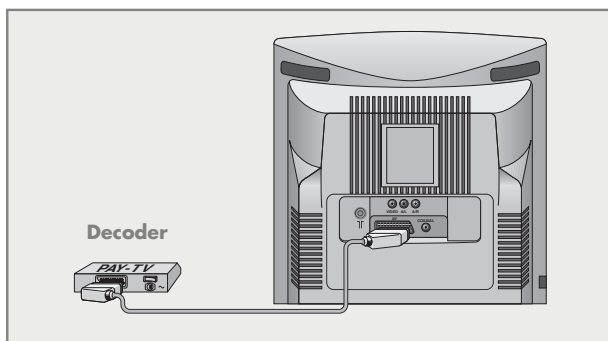
- Code:– Enter the password
- Access Level:– Select content control
- Factory Defaults:– Return to factory settings
- DivX registration:– Display the DivX registration code of the player.

# Using external devices

## Decoder or satellite receiver

A decoder is needed if the television receives encoded programs from a privately operated station.

Connecting a decoder or satellite receiver



1 Connect the »AV1« socket on the television set and the corresponding socket on the decoder using a EURO-AV cable.

### Notes:

A satellite receiver can also be connected to this socket. If you want to use both a satellite receiver and a decoder, the decoder must be connected to the satellite receiver.

## Using a decoder

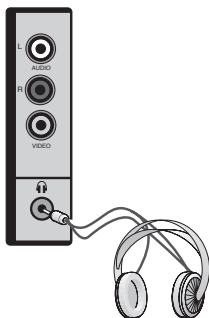
1 Switch on the television and the decoder.

2 Select the »AV1« preset channel by pressing »AV« repeatedly until »AV1« appears on the screen.

## Headphones

### Connecting the headphones

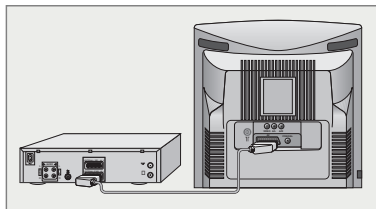
1 Insert the headphone jack (3.5 mm ø jack plug) in the headphone socket on the television.



# Using external devices

## Video recorder or set-top box

Connecting a video recorder or set-top box



1 Connect the »AV1« socket on the television to the corresponding socket of the video recorder or set-top box using a Euro-AV (Scart) cable.

### Using a video recorder or set-top box

1 Switch on the video recorder or set-top box and select the desired function.

2 Select the »AV1« channel using »AV«.  
– You can hear and see the video and audio information from the video recorder or the set-top box on the television set.

#### Notes:

You can connect an external RGB device (DVD player) to the Euro-AV1 socket. However, you will need to use a fully assigned Euro-AV cable for this.

## Camcorder

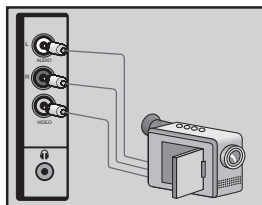
### Connecting a camcorder

1 Connect the yellow socket (VIDEO – picture signal) on the television and the corresponding socket on the camcorder (VHS, Video 8) using a cinch cable.

2 Connect the white and red sockets (L AUDIO R – sound signal) on the television and the corresponding sockets of the camcorder with a cinch cable.

#### Note:

If a mono camera is connected, connect the white socket (L) of the television and the corresponding socket of the camera. Select »MONO« in the »SOUND« menu during mono operation.



### Using a camcorder (VHS, Video 8)

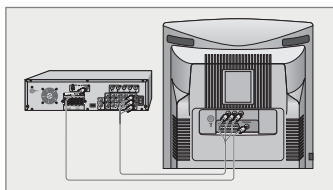
1 Switch on the camcorder, insert a cassette and start playback.

2 Select the »AV2« channel (for VHS, Video 8) by pressing »AV« repeatedly until »AV2« appears on the screen.

– You will see the picture and hear the sound of the camcorder on the television.

## Connecting a multi-channel amplifier or digital two channel audio system

The digital multi-channel sound of a DVD can best be decoded and played back with a multi-channel audio/video amplifier (Dolby\* digital decoder or DTS).




1 Plug a standard cinch cable into the cinch socket »COAXIAL (digital audio signal) on the television and into the corresponding socket on the digital multi-channel amplifier.

2 Plug a standard cinch cable into the cinch sockets »VIDEO (picture signal), »A/L« (left audio signal) and »A/R« (right audio signal) on the television and into the corresponding sockets on the digital multi-channel amplifier.

#### Note:

Even if you are using a digital connection, you should still make an analogue audio connection as it is possible, depending on the disc type, that no signal can be output via the »COAXIAL« socket.

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# Information

## Technical data

Mains voltage:	230 V, 50 Hz
Power consumption:	2 W in standby, 65 W in operation
Sound output:	2x3 W music power
Reception range:	C01 ... C99, special channels S01 ... S41, frequency band 1 ... 4
Preset channels:	100
Ambient temperature:	+5 °C to +40 °C
Playback norm:	PAL, 50 Hz, 625 lines NTSC, 60 Hz, 525 lines
Disc formats:	DVD R, DVD RW, CD-R, CD-RW
Media formats:	DVD video, audio CD, video CD (VCD 1.0/1.1/2.0), S-Video CD, CD-ROM (MP3, JPEG)

## Service information for dealers



The product complies with the following EU directives:  
73/23/EEC directive for electrical equipment to be used within defined voltage ranges. 89/336/EEC directive on electromagnetic compatibility.  
The television set complies with the following standards: EN 60065, EN 55013, EN 55020.

## General instructions for laser devices

**CLASS 1  
LASER PRODUCT**

Your system is a CLASS 1 LASER PRODUCT. This means that the laser is designed in such a way as to ensure that the maximum permissible emission value cannot be exceeded under any circumstances.

### Caution:

If operating devices or methods other than those specified here are employed, it may lead to dangerous exposure to emissions.



This device emits laser radiation. Because of the danger of eye injuries, the unit may only be opened or serviced by trained personnel.

If settings other than those specified here are employed or OTHER PROCEDURES are carried out, this may lead to dangerous radiation exposure.

This product contains components which are covered by certain U.S. patents or for other reasons are considered intellectual property of the Macrovision Corporation and other proprietors. Use of this protected technology must be approved by the Macrovision Company and is only permissible for private presentation at home or for other limited applications, where no special permission has been granted by Macrovision. Reproduction or disassembly of the device is prohibited.

Manufactured with permission from Dolby Laboratories. The "Dolby" label and the double-D logo "DD" are trademarks of Dolby Laboratories. Confidential unpublished material. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

During playback of DTS-coded CDs and DVDs, a high noise level is produced at the analogue stereo outputs. In order to avoid possible damage to the audio system, the user should take appropriate preventive measures when the stereo outputs of the DVD player are connected to an amplification system. For DTS Digital Surround playback, an external 5.1-channel DTS Digital Surround decoder must be connected to the digital output (S/PDIF) of the DVD player.

DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc. All rights reserved.

# Information

## TV operation

Fault	Possible cause	Remedy
Screen lit (snow), but no station	Antenna cable	Is the antenna cable connected?
	No television station programmed	Start the station search
Poor picture contrast	Picture settings incorrectly set	Adjust the brightness, contrast or colour setting
	Problem at station	Test with another channel
Interference to picture and/or sound	Interference from other devices	Change the position of the devices
Ghosting, reflection	Channel setting	Automatic or manual channel setting/fine tuning
	Antenna	Have antenna cable or system checked
No colour	Colour intensity at minimum	Turn up the colour
	TV standard setting (if setting option is available)	Select the correct colour standard
	Problem at station	Test with another channel
Inappropriate colour, colour spots	Strong magnetic field due, for example, to loudspeakers	Move the loudspeakers away from the television If colour spots remain, switch off the television set at the mains and switch on again after 10 minutes
Picture but no sound	Volume set to minimum	Turn up or switch on the volume
	Problem at station	Test with another channel
Teletext missing or faulty	Television station (has no teletext) or antenna system	Test another channel for fine tuning and ghosting
	Station signal too weak	Check the antenna system
Remote control does not work	No optical connection	Point the remote control at the television set
	Remote control batteries	Check the batteries, change if necessary
	Operating condition undefined	Switch off the television with the main power button for approximately 2 minutes
The picture is unrecognisable after switching on the television	Parental lock has been activated	Deactivating the parental lock

# Information

Fault	Cause/Remedy
The disc compartment will not open, picture/sound problems.	Switch the DVD player off and back on again using the power switch.»①«
Distorted picture	Make sure that there are no fingerprints on the disc, follow the cleaning instructions.
DVD/CD cannot be played	Check if the label on the disc is facing upwards.
	Clean the disc.
	Check if the disc is damaged by testing another disc.
No sound	Try another playback source.
	Use an external decoder for DTS audio formats.
No sound at the digital output.	The scanning rate was set to 96 kHz. Set the scanning rate to 48 kHz as described on page 31.

## Cleaning discs

Wipe the dirty disc with a cloth from the centre outwards in a straight line. Do not use any solvents such as benzene, thinners, conventional cleaner or anti-static spray for vinyl records.